

20010424.qrp v02_n169.qrl.20010424

Date: Tue, 24 Apr 2001 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2169

QRP-L Digest 2169

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- 2) [96915] FT or FS: DSW-30
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- 3) [96916] Re: Losses in "450" Ohm Window Line
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
- 4) [96917] Palm Mini-Paddles
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- 5) [96918] Re: Palm Mini-Paddles
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- 10) [96923] Re: Still no Epiphyte Filter?
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- 11) [96924] Re: ladder line in the rain. what goes
by "Denis Englander" <ko6gf@slip.net>
- 12) [96925] Re: Linear loading question
by "bam yb0ko/1 SOETRISNO" <unclebam@indosat.net.id>
- 13) [96926] Re: [fpqrp] OT: Knoxville
by wb8icn1@juno.com
- 14) [96927] R-S 33-3030 Mic & the K2 (Long)
by Richard Arland <rarland@earthlink.net>
- 15) [96928] Re: Ft. Tuthill camping
by "Bob Hightower" <nk7m@extremezone.com>
- 16) [96929] Re: Linear loading question
by Paul Cecil <cecilp@mail3.bunt.com>
- 17) [96930] Gel battery packs
by Ray Sills <raysills@1stconnect.com>
- 18) [96931] Re: Gel battery packs
by Michael Bower <bowerm@ix.netcom.com>
- 19) [96932] Re: Radiation from Balanced feeders

- by John R Kirby <n3aaz-qrp@juno.com>
- 20) [96933] RE: SMK-1 Questions
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 21) [96934] BCI
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 22) [96935] Re: SMK-1 Questions
by "Brian" <bmurrey@amexol.net>
- 23) [96936] Re: BCI
by Bruce Muscolino <w6toy@erols.com>
- 24) [96937] RE: SMK-1 Questions
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 25) [96938] QRPTTF with NETXQRP -- 72 es GL
by "Chuck Carpenter" <w5usj@globeco.net>
- 26) [96939] QRP-L Archives
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- 27) [96940] Re: Gel battery packs
by "Phinizy, William" <wphinizy@filenet.com>
- 28) [96941] QRP +
by Tim ORourke <TORourke@KaiserFT.com>
- 29) [96942] Fourth NEQRP SSB NET
by Ronald_A_Pfeiffer@raytheon.com
- 30) [96943] Q: SBL-1 source in Europe
by Stan Yarema <bg783@scn.org>
- 31) [96944] MI QRP Net
by ed.kwik@delphiauto.com
- 32) [96945] Re: Q: SBL-1 source in Europe
by "Leon Heller" <leon_heller@hotmail.com>
- 33) [96946] RE: BCI
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 34) [96947] Re: Metal working question.
by Bill Coleman <aa4lr@arrl.net>
- 35) [96948] OT: ANZAC DAY
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 36) [96949] Re: ANZAC DAY
by "Brian" <bmurrey@amexol.net>
- 37) [96950] Re: QRP-L Archives
by Bruce Muscolino <w6toy@erols.com>
- 38) [96951] Re: Q: SBL-1 source in Europe
by Bruce Muscolino <w6toy@erols.com>
- 39) [96952] [Off Topic]Linux/KISS/Packet question
by Ed Lawson <elawson@lawson-philpot.com>
- 40) [96953] RE: Taking skeds for 10 meters...
by "Juan Jose Pastor Estornell" <juanjope@ctv.es>
- 41) [96954] FT 817
by Elliott <edl@pacbell.net>
- 42) [96955] MSDOS BASIC software archive and RF Design Mag software archive
by "Neil" <neil@aade.com>
- 43) [96956] QRP TTF

by DONALD DORN <DDORN@CWIS.NET>
44) [96957] [MH101] Crystal Selection
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
45) [96958] Source for 78L04's
by "Trevor Jacobs" <fxtech@earthlink.net>
46) [96959] QRP audio
by Bruce Rattray <rattray@gpfn.sk.ca>
47) [96960] Re: QRP audio
by "Mike Yettsko" <myetsko@insydesw.com>
48) [96961] More Poquet Plus computers.
by n2cx@voicenet.com
49) [96962] QRPTTF @ Florida's Kennedy Space Center
by Paul Womble <pwomble1@tampabay.rr.com>
50) [96963] NA config for QRP-TTF?
by Bruce Grubbs <n7ceeqrp@earthlink.net>
51) [96964] QRP-TTF op, W7TA0
by Bruce Grubbs <n7ceeqrp@earthlink.net>
52) [96965] Re: QRP +
by adamvaz@palm.net (Adam Vazquez)
53) [96966] Re: MSDOS BASIC software archive and RF Design Mag software archive
by "Neil" <neil@aade.com>
54) [96967] QRPTTF - ET at N8ET
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
55) [96968] Re: QRPTTF @ Florida's Kennedy Space Center
by "Paul Harden, NA5N" <na5n@rt66.com>
56) [96969] Fwd: [NJQRP] More Poquet Plus computers.
by n2cx@voicenet.com
57) [96970] FT 817 -vs- K2
by "Paul R. Valko" <prvalko@oakland.edu>
58) [96971] Re:Used Gel battery packs
by adamvaz@palm.net (Adam Vazquez)
59) [96972] Kenwood TS-50 Question
by NA1XX@aol.com
60) [96973] Re: Palm Mini-Paddles
by Johannes Hiller <HANNES@ulmnetz.de>
61) [96974] Re: FT 817 -vs- K2
by "Ingo DK3RED" <dk3red@t-online.de>
62) [96975] For Sale: MFJ-9040 and MFJ-9020
by BobK8RL@aol.com
63) [96976] Re: Kenwood TS-50 Question
by "Karl F. Larsen" <k5di@zianet.com>
64) [96977] Re: QRP audio
by "Robert M. Kimbrell" <kimbrell@sdf.lonestar.org>
65) [96978] Re: QRPTTF
by "Mike Malone" <mmalone@worldlogon.com>

Date: Mon, 23 Apr 2001 19:22:44 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <DYARNES@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96914] Re: Fuji batteries
Message-ID: <001f01c0cc4c\$506d6020\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, they are no longer 'Fuji' batteries. They are
'Toshiba' brand alkalines. Not quite as good as
Duracell, or Eveready, but not far behind...

Mike

> In a message dated 4/23/01 12:39:08 PM US Mountain Standard Time,
> myetsko@insydesw.com writes:
>
> << That was a BJ's wholesale club.
>
> They used to be \$8.59 or so around here, but in the last two years
> they have skyrocketed to about \$10.49.
> >>
>
> Costco used to sell 40 batteries (alkaline-house brand) for around
\$8.59, now
> they sell 48 batteries for approximately \$10.50. I can't remember the
> pennies, but that's close. At any rate, the price per battery is
> substantially the same! Just more batteries! It beats the tar out of
> anybody else's batteries except maybe some other discount house. I have
had
> a few of them go "south" on me (as in leak), but don't know that it
happened
> any more often that with Everready, Ray-o-Vac, etc.
>
> Dave W7AQK
>

Date: Tue, 24 Apr 2001 00:26:17 +0100
From: "Mike Swift" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96915] FT or FS: DSW-30
Message-ID: <001201c0cc4d\$0ac059a0\$f30fbc3e@uksolsf56>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All

I have a Small Wonder Labs DSW-30 which isn't getting much use right now. It is in unmarked condition (installed in the official anodized blue case), very carefully built and operates fully to spec. Has seen less than a few days use in total (I enjoy building more than operating!), and only used indoors. Lovely little radio in perfect condition.

I'd like to trade the DSW-30 for an unbuilt kit of similar value. Would prefer something for one of the higher bands (30m or above), as I have a limited antenna setup here. I'd also like something that comes with a matching case. I'm open to suggestions - let me know what you have for swap?

I may also consider a straight sale, but don't really know what to ask for it, so... offers?

I will happily ship to the US or anywhere else, with shipping charged at cost (the DSW-30 is *very* light, so postage won't be expensive).

Please mail me if you're interested.

73

Mike
M0CQG

Date: Mon, 23 Apr 2001 18:27:27 -0500
From: "Steve Yates, AA5TB" <aa5tb@arrl.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [96916] Re: Losses in "450" Ohm WIndow Line
Message-ID: <002101c0cc4c\$f6c8a7e0\$8b703ed8@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Bill,

I know this is splitting hairs but James is correct. For a perfectly balanced line with a given RMS line current, the power radiated from the line is the same as if the same RMS current was in a short dipole of a

length equal to the line spacing [D] and can be calculated as follows:

$$Pr = 160 (\pi \times D / \lambda)^2 \times I^2 \text{ watts}$$

where

Pr = Power radiated in watts

D = Spacing in the same units as lambda (wavelength)

I = RMS line current at a given point

Granted, this is a very small power (and probably insignificant) at HF but as you go into the VHF and UHF region it can become significant. Never say never.

73,

Steve Yates - AA5TB

Fort Worth, Texas

Grid Square: EM12gs

aa5tb@arrl.net

<http://www.geocities.com/aa5tb/>

Date: Mon, 23 Apr 2001 18:54:12 -0500

From: Monty N5FC <n5fc@io.com>

To: AQRP@onelist.com, qrp-1@Lehigh.EDU

Subject: [96917] Palm Mini-Paddles

Message-ID: <3.0.6.32.20010423185412.009c95e0@mail.io.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hey Gang!

I've had my Palm Mini-paddles (s/n 086) for about four days now, and my first impressions are very positive. They have a "nice" feel to them, and key very smoothly. Not solid, like a Vibroplex or Kent paddle, but not spongy either. In fact, I seem to be able to send better (i.e., fewer mistakes) than with my Bencher. You're not going to hurt these babies in transit... they retract quite cleverly inside the extrusion, making them entirely protected. In fact, the engineering is quite impressive and very well thought out. However, I would not want to repair one - it's just that "integrated".

The mounting plate is a molded plastic jobbie, which you can screw or glue or magnet-mount (your choice). Then, the whole paddle snaps onto the mount. I got an extra one. You could, as easily, mount it with foam tape (and save \$5 for the mount), but then you'd lose some flexibility. It snaps onto the mount fairly easily, but it's pretty stiff and I was a

little apprehensive un-snapping it. I don't know how many times the plastic mount can be unsnapped before it breaks or gets wobbly. The paddle and case should last forever, however - very rugged when closed.

The miniature cable plugs into the back of the key, so you can remove it easily when needed. The cable provided is only 1-1/2 feet long, so you may need to extend it. It was wired backwards from my usual convention, with the dash to the tip of the 1/8" stereo plug (is this the way the K2 is wired?)

In summary: definitely worth the \$60... got mine from Morse:
<http://www.morsex.com/>

For those of you in Austin, I'll bring the paddles for show and tell at the AQRp meeting Saturday May 10.

72,
monty N5FC

Monty Northrup, N5FC Austin, TX
e-mail: n5fc@io.com or maddog@io.com
web (ham): <http://www.io.com/~n5fc/>
web (home): <http://www.io.com/~maddog/>

Date: Mon, 23 Apr 2001 20:08:15 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <n5fc@io.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [96918] Re: Palm Mini-Paddles
Message-ID: <000701c0cc52\$c6f36b80\$01613018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now the big question (to anyone). Will they be represented at Dayton? I'd be willing to bet that they could sell quite a few of these at the QRP festivities.

72

Howard Kraus, K2UD

Date: Mon, 23 Apr 2001 20:13:47 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [96919] Re: Ten-Tec Cases in Canada
Message-ID: <006d01c0cc53\$78e99620\$d22b3604@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

David,
For most of my 'pretty' projects, I use an LMB "N" Series cabinet. "U"
shaped bottom section with another "U" shaped top cover that slides over the
bottom with a bit of a 'hood' on the top front. Four fasteners are are
located on the bottom.

I usually buy mine from Marlin P. Jones & Associates in Florida
<http://www.mpja.com> - . They have them in both natural aluminum and Grey
paint finish. I use the LMB 463N the most - it is 4 inches deep, 6 inches
wide and 3 inches high. They list a smaller size and a larger one. Their
catalog does not detail shipping to Canada, so you would need to check on
that. MPJA also has several other boxes including LMB die cast aluminum
boxes. Not real cheap, but at what I think is a good price.

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "David Beach" <dbeach@blvl.igs.net>
> ...
> For US readers, from which mail-order places do you get metal enclosures?
> ...
>

Date: Mon, 23 Apr 2001 20:44:43 -0700
From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-l@lehigh.edu, jamesd1@flash.net
Subject: [96920] Re: W2DU's "Reflections II" at Printers!!
Message-ID: <3AE4F6AB.C3C2A8B8@erols.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"

Content-Transfer-Encoding: 7bit

James and gang,

This is indeed good news. I contacted World Radio, who I understand are the publishers, some time ago about "Reflections II" and told them to include an index. Like some ARRL pubs the original Reflections did not have an index. The person at World Radio said the new addition will have an index. A technical work without an index is not good.

Although, the original Reflections was an excellent work it was difficult to find specific information after I read it. It took a little searching to refer back to an important section on a specific subject. A good index should solve that problem.

Every ham should have a copy of this work.

Good luck -- 72 & 73,

Ben Poinsett, K3BP

Date: Mon, 23 Apr 2001 18:55:45 -0600

From: "James R. Duffey" <jamesd1@flash.net>

To: Bill Coleman <bcoleman@mediabin.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [96921] Radiation from Balanced feeders

Message-ID: <B70A2B31.8D87%jamesd1@flash.net>

Mime-version: 1.0

Content-type: text/plain; charset="ISO-8859-1"

Content-transfer-encoding: quoted-printable

Bill - I stand by my original statement: Perfect balanced line will radiate, even if the currents are equal and opposite.

The magnitude of the radiation is small, particularly far away from the feed line, but it is real and it is finite.

Let me try to recreate my second semester freshman Physics from Halliday and Resnick:

The magnetic field, B at a distance r , generated by a wire carrying current

i is:

$$B = \frac{\mu_0 i}{2\pi r}$$

where μ_0 is the permeability of free space. I am using MKS units, the ones God used to create the universe :^).

Now consider my poor attempt at an ASCII interpretation of a transmission line consisting of wires X and O separated by a distance of d:

X<-----d----->O

The X wire is carrying current into the page (Screen), and the O wire is carrying current out of the page (Screen). Now consider the magnetic field at a distance x from wire O:

X<-----d----->O

<-----x----->we are calculating the magnetic field here

By the superposition principle we can calculate the magnetic field by adding the magnetic fields from wire X and Wire O

$$B \text{ at } x = B(X) + B(O)$$

$$B(X) = -\frac{\mu_0 i}{2\pi x}$$

The minus sign is because the magnetic field points down. (Right hand rule)

$$\text{and } B(O) = \frac{\mu_0 i}{2\pi (x-d)}$$

This is positive here because the magnetic field points up. (Right hand rule again)

$$\text{so } B = \frac{\mu_0 i}{2\pi} \left(-\frac{1}{x} + \frac{1}{(x-d)} \right)$$

putting the whole thing over a common denominator:

$$B = \frac{\mu_0 i}{2\pi} \left(-\frac{(x-d)+x}{x(x-d)} \right) = \frac{\mu_0 i}{2\pi} \left(\frac{d}{x^2 - dx} \right)$$

which is not zero for finite d.

Now I will grant you that if d is much less than x, B is nearly 0. When $x = \frac{\mu_0 i}{2\pi B} = \frac{\mu_0 i}{2\pi B_0} d$, then the magnetic field is about 1 % of what it would be from a

single wire carrying the same current. For larger x the field drops even more compared to a single current carrying wire, and can be said to be zero=.

However if we look at x values near d , say $x = 3D/2d$, a situation one transmission line spacing away from the balanced feeder, the field is only half of what a single wire carrying current i would be at that distance!! This is the near field region and hams are often concerned about how close to things balanced feeders could get without effect. One transmission line spacing is obviously too close. The field is significant at even twice the spacing. Even at $x = 3D/4d$ the field is about 10 % of what it would be from a single wire.=20

So perfectly balanced feeders do radiate, although the magnitude of the radiation is small, particularly at large distances from the balanced feeders.

I hope I am not picking nits here, but perfectly balanced feeders will radiate, and the radiation is important at distances close to the feeders. =
I
hope that this helps explain my original statements. - Dr. Megacycle KK6MC/=5

=20

--=20

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 23 Apr 2001 21:22:34 -0400
From: "William Mabry" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [96922] DSWTUNER.EXE field testing about to begin
Message-ID: <F16XyCTr9rf3yXvEbjk0000febb@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, gang.

The DSWTUNER.EXE file is now in the possession of a few brave souls who will be field testing the program and interface for adjusting the operating frequency of DSW-series rigs via PC.

The program now allows:
Compensating for CPU clock frequency;

Printer port base address selection;
DSW model selection;
Encoder type selection.

I promise not to initiate further discussion of this project (insert collective 'whew!' here)until we have several successful replicas of our new little toy :)
Once this is accomplished, the program plus full documentation will be made available.

Thanks and 73.
Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 23 Apr 2001 21:29:56 EDT
From: K5BDZ@aol.com
To: mpupeza@altavista.com, qrp-1@lehigh.edu
Subject: [96923] Re: Still no Epiphyte Filter?
Message-ID: <10.bc6e68b.28163114@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Mike
describe to me the filter, i.e. size and # of pins etc. I may have one I was saving and if so will try to help you out. Frustration ain't fun!

I know I could look for the number, but if you saw my box of filters, you'd understand why I want a "visual" before looking for part numbers... Ha!
Bill K5BDZ

Date: Mon, 23 Apr 2001 18:36:04 -0700
From: "Denis Englander" <ko6gf@slip.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, "Bill Coleman" <aa4lr@arrl.net>
Subject: [96924] Re: ladder line in the rain. what goes
Message-ID: <006501c0cc5e\$eda0bba0\$f1507fd8@sirus.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you Bill, AA4LR, for the clarification.

Safety should always come first.

72/73 de K06GF - Denis in SF

----- Original Message -----

From: "Bill Coleman" <aa4lr@arrl.net>

To: <ko6gf@slip.net>; "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>

Sent: Monday, April 23, 2001 6:22 AM

Subject: RE: ladder line in the rain. what goes

> On 4/11/01 11:50 PM, Denis Englander at ko6gf@slip.net wrote:

>

> >The only time that I have heard of a grounding strap from one's
> >body to an electrical devise, is in the case of working on some
> >sort of computer gear with sensitive CMOS chips which are
> >very static prone. The grounding strap helps to bleed away
> >any static buildup on the person working on the equipment.
> >This is true, even if the sensitive equipment is unplugged.

>

> I might point out that such a grounding strap is not a direct connection
> to ground, but goes through a very high-value resistor (1-10 mega ohms).
> The resistor is in place to prevent the ground strap from completing a
> circuit and causing a potentially serious or fatal electrical shock.

>

>

>

> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

> Quote: "Not within a thousand years will man ever fly!"

> -- Wilbur Wright, 1901

>

>

Date: Tue, 24 Apr 2001 08:46:10 +0700

From: "bam yb0ko/1 SOETRISNO" <unclebam@indosat.net.id>

To: <Drbob92031@aol.com>, "qrp-l" <qrp-l@lehigh.edu>

Subject: [96925] Re: Linear loading question

Message-ID: <000201c0cc62\$94acfc80\$87429bca@kodokijo>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

dr bob, wa2eaw

combining the article from arrl antenna handbook u mentioned and pages 8-11 of john devoldere (on4un)'s book : "antenna and techniques for low band dx-ing", i made up a *formula* to calculate length of the *linear loading* device :

$L(\text{lin}) = [L(\text{full}) - L(\text{short})] + (10-20\%)$, in which

$L(\text{lin})$ = length of loading device

$L(\text{full})$ = full length of antenna element (half of the dipole)

$L(\text{short})$ = *new* physical element length (to suit to the available space)

from experiences i conclude that u cud shorten the element to approx. 70% of actual length without degrading too much in terms of efficiency, characteristic and performance so let's assume that we're going to *shorten* the $1/4\lambda$ part of a 40m dipole to 7 mtr, then we find

$L(\text{full}) = 10$ mtr (half of the 40 m dipole)

$L(\text{short}) = 7$ mtr

thus $L(\text{lin}) = [10-7] + (10-20\%) = 3 + .3/0.6 = 3.3 \sim 3.6$ mtr (not critical)

in my case, using #14 vynil insulated stranded wire (remember end *capacitive* effect) my shorten 40 m inverted vee dipole came to 2×6.76 mtr in length, consisting of 3.3 mtr loading device + 3.46 *tail* (i came to this dimension after pruning the 4 mtr tail bit-by-bit, may be the use of pvc tubing as end isolator introduced some additional capacitive effect as well)

hope u cud adapt this method in modifying ur vert . . .

72/73 es gl de bam, yb0ko/1

----- Original Message -----

From: <Drbob92031@aol.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, April 24, 2001 4:37 AM

Subject: Linear loading question

> [snip]

> . . . read in the ARRL Antenna Handbook that linear loading will do the same

> for a shortened antenna as a coil without the problems of a coil. IE; poor Q;

> dissipated power. etc. As for the linear loading concept the Handbook states

> that the antenna can be folded back and forth to take up less linear space
as
> compared to the full electrical length in a straight line. Therefor if the
40
> M vert is to be about 33' (= +/- 10 mtr)

> The whole concept sounds like "cut and try" (yes, indeed)
>

Date: Mon, 23 Apr 2001 21:42:15 -0400
From: wb8icn1@juno.com
To: crooke@prodigy.net
Cc: qrp-1@Lehigh.EDU, fpqrp-1@fpqrp.com
Subject: [96926] Re: [fpqrp] OT: Knoxville
Message-ID: <20010423.220201.-311249.1.wb8icn1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Doc,

I almost moved there in 1997...I contacted LB (Mr. Antenna Guru) as he
lives there. He might be able to provide info for ya.

Enjoyed the other night..Andy got his first MP contact today, with no
other than Mr. DX in FL.

00's..Mikey

Dah-Dit-Dah.... 72's/73's es oo's, Mike...WB8ICN
K2 S/N 383, FISTS #7065, QRP ARCI #9982, MI QRP #1442, FPQRP #68
Flying Pigs QRP Net on Wed and Sundays on 7046KHz at 2100 EST
QCWA Chapter 10, Michigan - Net meets on Sundays, 3903 MHz at 0800 EST
<http://www.qsl.net/wb8icn> Backup e-mail-wb8icn@amexol.net &
wb8icn@aol.com

On Sun, 22 Apr 2001 23:12:43 -0500 "Jim Crooke" <crooke@prodigy.net>
writes:

> Greetings,
>
> Do any of you have a very thorough knowledge of Knoxville? I will
> be there
> next week for a wedding and have a couple of questions.
>

> Thanks.
>
> 73 oo's Jim KJ0C
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
> fpqrp-l -

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 23 Apr 2001 22:42:54 -0400
From: Richard Arland <rarland@earthlink.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [96927] R-S 33-3030 Mic & the K2 (Long)
Message-ID: <3AE4E82E.9BF52337@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

I started playing with this mic yesterday. As I state in a previous posting Freq. response is relatively flat from 100 Hz to 12000 Hz, Z=500 ohms and it's an omnidirectional dynamic mic good for general announcing (PA systems, and that sorta stuff). Sale price: \$19.00 + tax.

My K2 was originally set up for an ICOM mic, so I changed it all over to the Elecraft M2 mic per the SSB Option manual. The mic was terminated in a 1/4 inch phone plug which was discarded. The audio cable from the mic was then wired into an 8-pin mic jack (obtainable from RS). An additional piece of AF cable was hooked up for PTT (I use a foot switch, but for testing purposes I just shorted the PTT line to ground by touching the two wires together).

Initial on-air testing with Fran, KA3WTF, yielded no surprises. There was way too much bottom end and not near enough mid-range. I tried a trick that I picked up from Bob Heil....I wrapped several layers of electrical tape around the mic head, blocking the slots that ran down the sides of the head. This effectively restricts the air flow and hence the movement of the element and drops off some of the low end freq response. I haven't yet tried a .01 mF disc in series with the mic lead to form a HP filter to further drop off the lows, but that is certainly an option.

Fran advised me that after I had wrapped the mic head in tape, that the mic sounded 100% better, as there was a definite attenuation of the lows which allowed the mid-range to come through better.

I played with the settings of SSBA, and settled on a "1" which, if I remember correctly, attenuates the mic audio by 10dB. The speech compressor (SSBC) is set on "1" also, effectively turning the compressor off. Fran liked the sound of this and advised me that these settings were good for general rag chewing, but not for contesting.

Recently I have found the 1982 QST article by Bob Heil on building a mic equalizer. Essentially, this is a high Z mic amp followed by two "tone controls" each adjustable +/- 12dB per octave to form a Low Pass and High Pass filter network. The object is to tailor the mic audio by tweaking these filters to obtain the best possible sounding audio from any given mic.

In going over some audio theory concerning intelligibility, in comm, 33% of the useable intelligence is between 1.4 and 2.9 kHz. By adding a 6dB/octave HP filter (centered on 1.4) kHz between the two filters in the Heil circuit, I could achieve a nice peak about 2 kHz. This would enhance the mid-range tremendously. Another idea would be to redesign the original Heil HP and LP circuits to provide an 18 or 24 dB/octave rolloff which would further enhance the needed mid-range and provide a very "readable" signal at the receiving station.

So, this is the tack I'm taking at present. First I plan on building the original Heil circuit just as a starting point. Then I plan on adding the HP with the 6dB rolloff at 1.4 kHz to see how it alters the mid-range audio. Then, if I really get motivated, I will redesign the HP and LP filters to form a 24dB/octave rolloff and find out where that leads.

Bottom Line: the RS 33-3030 Omni dynamic mic is definitely a good buy for use with the K2. If you do nothing but block the slots in the side of the head you will still have a great mic for general use. If you didn't want to go to all the trouble to play with filtering, the next best thing would be to install a Heil HC-4 element in place of the dynamic element that comes with this mic. At under \$20, this mic is a real steal.

73 Rich K7SZ

Date: Mon, 23 Apr 2001 19:47:24 -0700
From: "Bob Hightower" <nk7m@extremezone.com>

To: "Steve Schroder" <ki0ky@arrl.net>
Cc: "qrp list" <qrp-l@lehigh.edu>, "azqrp" <azqrp@extremezone.com>
Subject: [96928] Re: Ft. Tuthill camping
Message-ID: <002901c0cc68\$e60f4780\$85127d3f@de11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So far, the only change, and perhaps a big one, is that the restroom/shower building in the group camping area is gone. We are gonna have to get some port-a-pots in there, and work something out for showers, perhaps in the main campground.

We'll post more later, as we know more.

Bob

----- Original Message -----

From: "Steve Schroder" <ki0ky@arrl.net>
To: <nk7m@extremezone.com>
Sent: Monday, April 23, 2001 4:19 PM
Subject: Ft. Tuthill camping

> Bob,
>
> I saw in QST that changes are being made in the campsites at Ft. Tuthill.
> What will be the situation for those Az ScQRPions that live in tents.
> 72,
> Steve, KI0KY
>

Date: Tue, 24 Apr 2001 05:50:30 +0200
From: Paul Cecil <cecilp@mail3.bunt.com>
To: Drbob92031@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [96929] Re: Linear loading question
Message-ID: <5.0.2.1.0.20010424054539.01f6c7a0@mail3.bunt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:37 PM 4/23/01 -0400, you wrote:

>Hi guys;

>

>I have a home brew vertical for 20/15/10(no coils) I wish to add 40M without

>a loading coil.
>I have read in the ARRL Antenna Handbook that linear loading will do the same
>for a shortened antenna as a coil without the problems of a coil. IE; poor Q;
>dissipated power. etc. As for the linear loading concept the Handbook states
>that the antenna can be folded back and forth to take up less linear space as
>compared to the full electrical length in a straight line. Therefor if the 40
>M vert is to be about 33' and my 20 M vert. is an aluminum mast of 16' 6" I
>can; using standoffs; run the 40M wire up the full 16' 6" and then down
>again; perhaps 2" away from the first wire and then bend up again also 2"
>away from the wire going down (sorry for any confusion) until the length of
>the 1/4 wave is used up. The handbook states to make the 1/4 wave about 10 to
>20% longer and then to "cut and try" to attain 1:1 SWR. Also stated that the
>distance between the wires folded back on them selves depends on surrounding
>structures. The whole concept sounds like "cut and try". Would appreciate any
>input.
>Tnx in advance es 72/73 de WA2EAW..Bob

Bob,

Try going to this site run by David Reid, PA3HBB / G0BZF. He has some good
information on his experience putting up a 80m/40m linear loaded vertical.
His site is:

<http://ourworld.compuserve.com/homepages/drcp/11.htm>

Hopes this helps.

Paul Cecil
DA2PC / KA5FPT
Kaiserslautern, Germany
Ramstein Air Base

Date: Tue, 24 Apr 2001 06:29:39 -0400
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [96930] Gel battery packs
Message-ID: <B70ACDD3.4F1C%raysills@1stConnect.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang:

Heartland America once again has the \$20 Gel Cell battery pack in it's

catalog.. and most likely on the website, too.

And recently, I found a really big battery unit at Sam's club. It's made by Vector also, and it's in the automotive section and called a "Multi-finction AC/DC Jumpstart System." It includes an air compressor, a florescent lamp worklight, a 200 watt AC inverter, and heavy cables to "jumpstart" a car's battery. The unit includes an AC power wall-wart recharger, plus a DC cable to recharge from a vehicle. The battery on board is a 19 AH gell cell. The unit is pretty heavy.. 18 pounds, so it's definately not a unit for backpackers. But it no doubt would run a K2 for an entire Field Day. Priced around \$80.

73 de Ray
K2ULR
FN20t1

Date: Tue, 24 Apr 2001 06:56:52 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96931] Re: Gel battery packs
Message-ID: <3AE55BF4.EB56807C@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What, no shower? No water heater? How about a kitchen stove?

Sorry, Ray, I couldn't resist. Hey, gang, have a great day.

Michael N4NMR

Ray Sills wrote:

>
> Hi Gang:
>
> Heartland America once again has the \$20 Gel Cell battery pack in it's
> catalog.. and most likely on the website, too.

>
> And recently, I found a really big battery unit at Sam's club. It's made by
> Vector also, and it's in the automotive section and called a "Multi-finction
> AC/DC Jumpstart System." It includes an air compressor, a florescent lamp
> worklight, a 200 watt AC inverter, and heavy cables to "jumpstart" a car's
> battery. The unit includes an AC power wall-wart recharger, plus a DC cable
> to recharge from a vehicle. The battery on board is a 19 AH gell cell. The
> unit is pretty heavy.. 18 pounds, so it's definately not a unit for
> backpackers. But it no doubt would run a K2 for an entire Field Day.
> Priced around \$80.
>
> 73 de Ray
> K2ULR
> FN20t1

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Tue, 24 Apr 2001 07:35:39 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: jamesd1@flash.net, qrp-1@Lehigh.EDU
Subject: [96932] Re: Radiation from Balanced feeders
Message-ID: <20010424.073650.-150255.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I think,
James took into account all variables but two
in his superposition principle. . . gravity and rain.

Gravity is the reason we 'twist' balanced feed line
so that in the rain both sides get the same degree of wet
AND radiates less in ALL directions.

Seriously,
thanks James,
well done.

John
N3AAZ
FM 19 xa

On Mon, 23 Apr 2001 18:55:45 -0600 "James R. Duffey" <jamesd1@flash.net> writes:

>Bill - I stand by my original statement: Perfect balanced line will
>radiate,
>even if the currents are equal and opposite.

>
>The magnitude of the radiation is small, particularly far away from
>the feed
>line, but it is real and it is finite.

>
>Let me try to recreate my second semester freshman Physics from
>Halliday and
>Resnick:

>
>The magnetic field, B at a distance r , generated by a wire carrying
>current
> i is:

>
> $B = \mu i / 2\pi r$

>
>where μ is the permeability of free space. I am using MKS units, the
>ones

>God used to create the universe :^).

>
>Now consider my poor attempt at an ASCII interpretation of a
>transmission
>line consisting of wires X and 0 separated by a distance of d :

>
>
>X<-----d----->0

>
>The X wire is carrying current into the page (Screen), and the 0 wire
>is

>carrying current out of the page (Screen). Now consider the magnetic
>field

>at a distance x from wire 0:

>
>
>X<-----d----->0
><-----x----->we are calculating the magnetic
>field here

>
>By the superposition principle we can calculate the magnetic field by
>adding
>the magnetic fields from wire X and Wire 0

>
>B at x = B(X) + B(0)
>
>B(X) = -u*i/2*pi*x
>
>The minus sign is because the magnetic field points down. (Right hand
>rule)
>
>and B(0) = u*1/2*pi*(x-d)
>
>This is positive here because the magnetic field points up. (Right
>hand rule
>again)
>
>so B = (u*i/2*pi)*(-(1/x) + (1/(x-d)))
>
>putting the whole thing over a common denominator:
>
>B = (u*i/2*pi)*(-((x-d)+x)/x*(x-d)) = (u*i/2*pi)*(d/(x^2 -d*x))
>
>which is not zero for finite d.
>
>Now I will grant you that if d is much less than x, B is nearly 0.
>When
>x = 100*d, then the magnetic field is about 1 % of what it would be
>from a
>single wire carrying the same current. For larger x the field drops
>even
>more compared to a single current carrying wire, and can be said to be
>zero.
>
>However if we look at x values near d, say x = 2*d, a situation one
>transmission line spacing away from the balanced feeder, the field is
>only
>half of what a single wire carrying current i would be at that
>distance!!
>This is the near field region and hams are often concerned about how
>close
>to things balanced feeders could get without effect. One transmission
>line
>spacing is obviously too close. The field is significant at even twice
>the
>spacing. Even at x=4d the field is about 10 % of what it would be from
>a
>single wire.
>
>So perfectly balanced feeders do radiate, although the magnitude of
>the

>radiation is small, particularly at large distances from the balanced
>feeders.
>
>I hope I am not picking nits here, but perfectly balanced feeders will
>radiate, and the radiation is important at distances close to the
>feeders. I
>hope that this helps explain my original statements. - Dr. Megacycle
>KK6MC/5
>
>--
>James R. Duffey KK6MC/5
>30 Casa Loma Road
>Cedar Crest, NM 87008
>
>

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Date: Tue, 24 Apr 2001 08:56:41 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [96933] RE: SMK-1 Questions
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E3646@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I looked at the radio last night, before leaving work, and found *two* unsoldered parts (I had tacked down one leg of each resistor, but not the other). Two minutes of work with the iron, and presto! Life! I can't say for sure that TC1 and TC2 have much of an effect on the rx, but it was actually hearing qso on my antenna, and sidetone is definately there. Now I just need more filtering, as 7.122 apparently is right next to a sw broadcaster.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Tue, 24 Apr 2001 09:01:38 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [96934] BCI
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E3647@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm still new to this game. I was tuning around on the 40m Novice band last night (on my Century 21), and there certainly was plenty of sw broadcasts. These broadcasts seemed to come and go (usually coming in quite well right as I was finding a nice qso to listen to), but once in a while there would be one station that I would hear, perfectly, over 10 or 20kHz of tuning. Eventually it would stop, but it kinda bugged me. I was hearing voice all the way down to the band edge (7.000) at times.

Is this reciever overload, normal for the band, or did I break something else in my radio? I know that DC recievers are prone to BCI, but I wasn't aware of the Century having that problem. Thanks.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Tue, 24 Apr 2001 08:43:56 -0400
From: "Brian" <bmmurray@amexol.net>
To: <SUpton@ALLEGROMICRO.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96935] Re: SMK-1 Questions
Message-ID: <001701c0ccbc\$3a2a1bd0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn,

Way to go, good job on the troubleshoot.

Yeah, 71XX is always close to a broadcaster in the evenings. I think there

is a heavy duty station on 7125 and 7120 but I don't remember who.

I've had pretty good luck around 7138 most evenings though, but I don't know what you'd need to do to move the thing to that freq.

72

----- Original Message -----

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, April 24, 2001 8:56 AM

Subject: RE: SMK-1 Questions

> I looked at the radio last night, before leaving work, and found *two*
> unsoldered parts (I had tacked down one leg of each resistor, but not the
> other). Two minutes of work with the iron, and presto! Life! I can't say
> for sure that TC1 and TC2 have much of an effect on the rx, but it was
> actually hearing qso on my antenna, and sidetone is definately there. Now
I

> just need more filtering, as 7.122 apparently is right next to a sw
> broadcaster.

>

> Shawn Upton, KB1CKT

> Product Development Engineer - Sensors

> Allegro MicroSystems, Inc

> Concord, NH

> 603.228.5533 ext. 429

>

Date: Tue, 24 Apr 2001 08:58:08 -0400

From: Bruce Muscolino <w6toy@erols.com>

To: SUpton@ALLEGROMICRO.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [96936] Re: BCI

Message-ID: <3AE57860.C3CEDF1F@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Shawn,

Receiver overload is normal for that part of the 40 meter band shared with
broadcasters. They run thousands of watts, some in to the millions of watts.

It's a problem for anyone using the novice band here. The alternative is to have the band shrink like it is in Europe, so the whole ham band is from 7000 to 7100 kHz!

Now, your receiver aggravates the problem by being a direct conversion receiver. They are notoriously more susceptible to BCI than superhets, though even a good superhet with better than average IF filtering will still be bothered by the broadcasters! Not a whole lot you can do about this except to build or buy a better transceiver next time. In the Century 21's defense, use a higher band, or a lower one, at night!

73

Date: Tue, 24 Apr 2001 09:33:50 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96937] RE: SMK-1 Questions
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E364A@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I think in the next, upcoming hamfest I am going to look for some new (used) crystals. 7.122 at night seems to be drowned out; maybe I'll try 7.138 as you suggest. Or maybe just put the 7.040 crystals in.

Anyhow, thanks (to the list) for all the suggestions on how to get this guy going.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

-----Original Message-----
From: Brian [mailto:bmurrey@amexol.net]
Sent: Tuesday, April 24, 2001 8:44 AM
To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
Subject: Re: SMK-1 Questions

Shawn,

Way to go, good job on the troubleshoot.

Yeah, 71XX is always close to a broadcaster in the evenings. I think there is a heavy duty station on 7125 and 7120 but I don't remember who.

I've had pretty good luck around 7138 most evenings though, but I don't know what you'd need to do to move the thing to that freq.

72

----- Original Message -----

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, April 24, 2001 8:56 AM

Subject: RE: SMK-1 Questions

> I looked at the radio last night, before leaving work, and found *two*
> unsoldered parts (I had tacked down one leg of each resistor, but not the
> other). Two minutes of work with the iron, and presto! Life! I can't say
> for sure that TC1 and TC2 have much of an effect on the rx, but it was
> actually hearing qso on my antenna, and sidetone is definately there. Now
I

> just need more filtering, as 7.122 apparently is right next to a sw
> broadcaster.

>

> Shawn Upton, KB1CKT

> Product Development Engineer - Sensors

> Allegro MicroSystems, Inc

> Concord, NH

> 603.228.5533 ext. 429

>

Date: Tue, 24 Apr 2001 08:25:41 -0500

From: "Chuck Carpenter" <w5usj@globeco.net>

To: qrp-l@Lehigh.EDU, George Baker <w5yr@att.net>, Lew Paceley <lew@paceley.com>, Richard Kapalczynski <n5ji@yahoo.com>, Dwain Lawhon <dlawhon@ix.netcom.com>,

Bill Pierrard <k5jhp@flash.net>, Don Wines <dwines@tyler.net>, Preston Buck <pbuck@flash.net>, Larry Jones <ljones@flash.net>,

Subject: [96938] QRPTTF with NETXQRP -- 72 es GL

Message-ID: <3.0.2.32.20010424082541.00794d70@mail.globeco.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

The NETXQRP club will be on the air Saturday with our club call KN5TX.

Note: The character "5" is pronounced like the "E" character... 8^)...

We'll be located close to a 90 ft double oak tree, i.e., obelisk. Anyone who is in the vicinity is invited to drop by and join in the fun.

You can find the vicinity from the maps on the NETXQRP web site.

NETXQRP Web Site: <http://www.netxqrp.org>

The setup will include K2s, K1s, an FT-817, and assorted other QRP devices along with some antennas. We encourage everyone who will be operating QRPTTF to contact our station as often as possible.

72 and good luck from the NETXQRP group...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPS] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Tue, 24 Apr 2001 10:14:35 -0400
From: Maxime Prati <mprati@postech.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96939] QRP-L Archives
Message-ID: <1184DDFC52DBD311AF510050DA799BB763D730@INTERNET-SERVER>
MIME-Version: 1.0
Content-Type: text/plain

Hi,

I went on the FTP site to download the archives of QRP-L for each years.
I have a bunch of *.z files (zipped), for each year.
My winzip program can unzip them... but, do I
have to unzip one by one manually ?
It will take me a lot of time...
There's must be a faster way to do this ?

Also, I've read about a little qBasic program to skim all
the text from all the publicity that's is sent with
all the e-mail... can someone point me where I can find it ?

Have a nice life.
72 / 73 de VE2HAC

maxime prati

"Duct tape is like the Force. It has a light side, a dark side, and it holds the universe together...."

Date: Tue, 24 Apr 2001 07:24:20 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [96940] Re: Gel battery packs
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76E8F@hq-expo2.filenet.com>

Ray and the assembled multitude,

An overlooked and obvious source of gel cells for the magic QRP price of FREE(!) is the local hospital. They use gel cells of all sizes and description for their medical equipment. When the expiration date hits, the batteries are 86'ed irrespective of their condition. The staff figure a \$10-30 gel cell with some life left is not worth the risk of creating a patient with no life left because some piece of equipment went South.

Our group -- including the venerable Sam Imai, KF6ML, a master appropriating free things -- has made good use of this phenomenon. Hospitals freely give them to any who request it. In fact, here in California, home of the environmental wackos, you are actually saving the hospital money because they have to pay to discard the batteries. I have four 7-amp hour and a 17-hour gel cells I obtained in such a manner that I have been using about a year.

..just be sure that, when you discard them, you do so in the proper manner.

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Tue, 24 Apr 2001 10:33:24 -0400
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [96941] QRP +
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB801A6FB@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Any one remember a good mic to use with this rig? The recommended MFJ looks a bit skimpy for good audio.

.73 Tim O'Rourke KG4CHX@Telocity.com

Date: Tue, 24 Apr 2001 10:39:02 -0400
From: Ronald_A_Pfeiffer@raytheon.com
To: qrp-l@Lehigh.EDU
Subject: [96942] Fourth NEQRP SSB NET
Message-ID: <85256A38.005078EE.00@ressud-as01.res.ray.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The Fourth NEQRP SSB NET will be tonite at 7:00PM on
7.285 +- 3K. So please join us for some fun.

Net Control: N1ZSW Ron Worcester MA K2 window in attic

I will be looking for some company on 7.285 around 6:50PM to evaluate
if my vertical will be good enough for the net. If not I will run upstairs with
my K2 and use the attic antenna.

After the net is officially over we can try 3.930 to see how many can hear each
other. My antenna is cut for 40 but I will try the tuner in the K2.

Everyone please join us !

RON - N1ZSW

Date: Tue, 24 Apr 2001 08:08:56 -0700 (PDT)
From: Stan Yarema <bg783@scn.org>
To: qrp-l@lehigh.edu
Subject: [96943] Q: SBL-1 source in Europe
Message-ID: <Pine.SUN.3.96.1010424080344.25223E-100000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know of a source for the Mini-Circuits, SBL-1 mixer in England
or better yet, Spain ?? It would make things easier for a Cuban ham to
get one. I have plenty, myself. So, if there isn't a good source
available, I can supply it. It will take longer to get to him, though.

Thanks and 72 Stan, K7SY

Date: Tue, 24 Apr 2001 11:15:57 -0400
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [96944] MI QRP Net
Message-ID: <05256A38.00540C6A.00@notes.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

While your are at it, hang around for the MI QRP CW net at 9:00 PM Eastren time
on 3.535 MHz.

Ed
AB8DF

The Fourth NEQRP SSB NET will be tonite at 7:00PM on
7.285 +- 3K. So please join us for some fun.
Net Control: N1ZSW Ron Worcester MA K2 windom in attic

I will be looking for some company on 7.285 around 6:50PM to evaluate
if my vertical will be good enough for the net. If not I will run upstairs with
my K2 and use the attic antenna.

After the net is officially over we can try 3.930 to see how many can hear each
other. My antenna is cut for 40 but I will try the tuner in the K2.

Everyone please join us !

ROn - N1ZSW

Date: Tue, 24 Apr 2001 15:29:16
From: "Leon Heller" <leon_heller@hotmail.com>
To: bg783@scn.org, qrp-1@Lehigh.EDU
Subject: [96945] Re: Q: SBL-1 source in Europe
Message-ID: <F216Q1WE9ql2RkeS8Yk000021b4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Does anyone know of a source for the Mini-Circuits, SBL-1 mixer in England
>or better yet, Spain ?? It would make things easier for a Cuban ham to
>get one. I have plenty, myself. So, if there isn't a good source
>available, I can supply it. It will take longer to get to him, though.

The cheapest source in the UK is MCL themselves, listed as Dale on their web
site, especially if ordering, say, 10 off. They might not ship to Cuba,
though. It might be better to go to one of the amateur suppliers if you only
need one or two. I've got some lying around. If you give me his address I'll
post one off (no charge).

73, Leon

--
Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058
Email:leon_heller@hotmail.com My web page:
http://www.geocities.com/leon_heller IRISYS Ltd: <http://www.irisys.co.uk>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Tue, 24 Apr 2001 11:01:59 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'SUpton@ALLEGROMICRO.com'" <SUpton@ALLEGROMICRO.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [96946] RE: BCI
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49A48@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Heck, Shawn, there's commercial shortwave broadcast all *over* the 40M amateur band (as we know it)! Spaced about 10 kHz apart, usually, and there are even some down near the low end of the band (around the 7.0 MHz area).

The Century is by far from being a "single-signal" receiver, but even then, I wouldn't think you'd have too much problem with images.

I believe you were just hearing "normal" commercial shortwave stations....

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Upton, Shawn [SMTP:SUpton@ALLEGROMICRO.com]
> Sent: Tuesday, April 24, 2001 8:02 AM
> To: Low Power Amateur Radio Discussion
> Subject: BCI
>
> I'm still new to this game. I was tuning around on the 40m Novice band
> last
> night (on my Century 21), and there certainly was plenty of sw broadcasts.
> These broadcasts seemed to come and go (usually coming in quite well right
> as I was finding a nice qso to listen to), but once in a while there would
> be one station that I would hear, perfectly, over 10 or 20kHz of tuning.
> Eventually it would stop, but it kinda bugged me. I was hearing voice all
> the way down to the band edge (7.000) at times.
>
> Is this reciever overload, normal for the band, or did I break something
> else in my radio? I know that DC recievers are prone to BCI, but I wasn't
> aware of the Century having that problem. Thanks.
>
> Shawn Upton, KB1CKT
> Product Development Engineer - Sensors
> Allegro MicroSystems, Inc
> Concord, NH
> 603.228.5533 ext. 429

>

Date: Tue, 24 Apr 2001 11:49:35 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <kb7ww@chatusa.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96947] Re: Metal working question.
Message-ID: <200104241552.LAA18013@mail5.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/28/08 12:10 AM, KB7WW Art Moe at kb7ww@chatusa.com wrote:

>Look for Unibit. They work great.

Greenlee also makes a stepped drill bit. The local Home Depot carries both Unibit and Greenlee stepped drill bits.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 25 Apr 2001 02:56:17 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Flying Pigs <fpqrp-l@mpna.com>, "glowbugs@piobaire.mines.uidaho.edu" <glowbugs@piobaire.mines.uidaho.edu>, "GQRP@onelist.com" <GQRP@onelist.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, SOC <soc@qth.net>
Subject: [96948] OT: ANZAC DAY
Message-ID: <3AE5B031.3F77DA33@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

Folks, as I write this it is around 02:45 local time, 17:45Z

I am waiting (and stone cold sober) to attend my annual "dawn service" commemorating our defeat at Gallipolli on 5th April, 1915 when a nation was born.

I will go to my local "club" at 0400 for a march followed by services.

Today is the most sacred day in the Australian calendar. Many of our

young are yet to comprehend the sacrifice Australians have made in WWI, WW11, Korea, Borneo, Malaya, Vietnam, more recently East Timor and over the years, numerous UN peace keeping operations.

I make no apologies for this post on this most sacred Australian and New Zealand day. ANZAC (Australian and New Zealand Army Corp.)

I know of a great many US servicemen in particular, who understand and identify with this day in our history. Let us also pray for and pay respect to your "fallen" as well as ALL who served for their country.

Thank you one and all for your tolerance.

72/73's

Ian Purdie

"I believe Australia is the best address on earth"

Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'

My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>

VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91

URL - <http://www.electronics-tutorials.com/>

Date: Tue, 24 Apr 2001 13:10:31 -0400
From: "Brian" <bmurrey@amexol.net>
To: <ianpurdie@integritynet.com.au>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96949] Re: ANZAC DAY
Message-ID: <001501c0cce1\$79547560\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Three cheers for those that went before us, so we can be here doing what we do in the manner in which we do it.

Freedom. Freedom. Freedom...it doesn't come cheap.

Salute!

----- Original Message -----

From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, April 24, 2001 12:56 PM
Subject: OT: ANZAC DAY

> Folks, as I write this it is around 02:45 local time, 17:45Z
>
> I am waiting (and stone cold sober) to attend my annual "dawn service"
> commemorating our defeat at Gallipolli on 5th April, 1915 when a nation
> was born.
>
> I will go to my local "club" at 0400 for a march followed by services.
>
> Today is the most sacred day in the Australian calendar. Many of our
> young are yet to comprehend the sacrifice Australians have made in WW!,
> WW11, Korea, Borneo, Malaya, Vietnam, more recently East Timor and over
> the years, numerous UN peace keeping operations.
>
> I make no apologies for this post on this most sacred Australian and New
> Zealand day. ANZAC (Australian and New Zealand Army Corp.)
>
> I know of a great many US servicemen in particular, who understand and
> identify with this day in our history. Let us also pray for and pay
> respect to your "fallen" as well as ALL who served for their country.
>
> Thank you one and all for your tolerance.
>
>
> 72/73's
>
> Ian Purdie
> "I believe Australia is the best address on earth"
> Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'
> My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
> VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
> URL - <http://www.electronics-tutorials.com/>
>
>
>

Date: Tue, 24 Apr 2001 13:13:06 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: mprati@postech.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [96950] Re: QRP-L Archives

Message-ID: <3AE5B422.2A7A264F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maxime,

QBASIC is just Microsoft's version of BASIC. (Strange, because they also wrote the first BASIC compiler for small computers!) It is very similar to regular BASIC in construction and use. I would look around on their web site to see if they have anything on it. I have not kept up to date with QBASIC since Visual Basic came along, and I had heard they were going to discontinue active support of it. QBASIC is the engine behind Visual Basic.

73

Date: Tue, 24 Apr 2001 13:18:38 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: bg783@scn.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [96951] Re: Q: SBL-1 source in Europe
Message-ID: <3AE5B56E.3C9D8E4A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Stan,

It's been a good twenty years since I lived in Holland, but I can remember very well buying my first two SBL-1 mixers over there. Actually the Netherlands Amateur radio club sold them through a parts service. I think I paid about \$6.00 each. One of them is still working!

I would suspect any members in the G-QRP club could point you in the right direction. I wouldn't doubt that Maplin carries them.

73

Date: Tue, 24 Apr 2001 13:37:25 -0400
From: Ed Lawson <elawson@lawson-philpot.com>
To: qrp-l@lehigh.edu
Subject: [96952] [Off Topic]Linux/KISS/Packet question

Message-ID: <20010424133725.A599@office4>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

If anyone on this list has used the kissattach and kissparms tools in Linux as well as the call program, I have a few questions. Suggest you reply off list.

Ed Lawson
K1VP
NH

Date: Tue, 24 Apr 2001 17:29:29 +0200
From: "Juan Jose Pastor Estornell" <juanjope@ctv.es>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96953] RE: Taking skeds for 10 meters...
Message-ID: <000c01c0cce8\$bde42b60\$188719d4@fer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

>Hello to everybody.

>

> I am willing to take skeds for working again the states taking
>advantage of the last flux peaks. I am available since 1500 to 1800
>UTC on banking days (for evening shift employees, lunch break ops,
>retired hams and so) and will try non contest weekends. I am a bit
>feed up with calling for
>a steady hour with no takers (God bless old Alex's in Ukraine...) so
I
>am longing for some DX action. My designated frequency will be 28.108
>(stateside QSOs pse leave the freq free and QSY to any other part of
>the band, I have been beaten enough by that nasty F5KCK robot taking
>over the novice QRP calling frequency). I am looking forward to your
>sked mails. God bless u all in advance (GBUAIA)...

>

Now looking for morning/lunchtime operators for skeds in 21.060
and whereabouts between 16 and 17:00 UTC. I could try sooner and/or
later if required but I cannot go under 21.050, any frequency between
that one and 21.200 is o.k. for me. I do read the e-mail once each
day, usually after 16:00 UTC (cheaper here) so please try to set up
the sked with at least a couple of days of anticipation. TIA!

>73, 72 de Juanjo, EC5ACA/QRP. EA-QRP #104, G-QRP #9742, QRP-L #1662.

>
>Juanjo Pastor
>C/San Roque, 4-1
>46460 Silla
>Valencia
>ESPA A
>
>Tel. +34 96 120 17 67
>Movable 651 35 35 11
>e-mail: ec5aca@qsl.net
>QURPE: ec5aca@ctv.es
>
>

Date: Tue, 24 Apr 2001 11:06:48 -0700
From: Elliott <edl@pacbell.net>
To: Low Power/QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [96954] FT 817
Message-ID: <3AE5C0B8.A79A7D7D@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I had an opportunity to play with a FT-817 over the weekend for just a few minutes. I like the small size and the total capability.

I have a few questions that I hope can be answered on the Reflector.

1) Does anyone have a source for the operating manual? I would like to look in detail at the menu selection and figure out what all the small buttons are for! I am also interested in how the accessories are installed. I have checked out the Yeasu website with no success and I have the 817 brochure.

2) I have heard that the standard battery holder can be used with rechargeable cells by "cutting the green wire" which permits the cells to be recharged in the 817. Can anyone verify this modification?

I am not interested in starting a discussion again on the FT817 vs the K2. Please let's not get into that and loose sight of my questions!

Thanks in advance es 72
Elliott WA6TLA

Date: Tue, 24 Apr 2001 11:08:10 -0700
From: "Neil" <neil@aade.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96955] MSDOS BASIC software archive and RF Design Mag software archive
Message-ID: <002601c0cce9\$857ecd60\$5a330918@fedwy1.wa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Of interest to anyone still using MSDOS BASIC language I found one of
several archives of code

<http://www.devinform.com/archives/coast/msdos/basic/>

One very interesting program, RB58, converts the common tokenized BASIC
files to text files so you can read and edit them.

And for those who subscribed to RF Design Magazine (best professional RF
magazine available) I found a complete archive of the software discs they
used to sell containing the code for various articles in the magazine.

[http://communities.msn.com/ElectricalEngineering/files.msnw?fc_p=%2FRF%20Des
ign%20Legacy%20Software&fc_a=0](http://communities.msn.com/ElectricalEngineering/files.msnw?fc_p=%2FRF%20Design%20Legacy%20Software&fc_a=0)

to download anything you need to sign up for a "MSN passport". I downloaded
all of them as such things don't last forever on the internet.

Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Tue, 24 Apr 2001 13:40:30 -0500
From: DONALD DORN <DDORN@CWIS.NET>
To: Low Power Amateur Radio Discussiion <QRP-L@LEHIGH.EDU>
Subject: [96956] QRP TTF
Message-ID: <3AE5C89E.8E3198C1@CWIS.NET>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Clif, N5UW, and I will be operating multi during TTF beside his farm pond and using Clif's call. We have evidence that UFO's have been landing there. They even deposited some alien crawdads in the pond. Seems like that should be worth extra points. Listen for us. We will be using homebrew verticals and need all the help we can get. Our designation will be "MARS".

73,
Don K5AAR

Date: Tue, 24 Apr 2001 19:01:31 +0100
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [96957] [MH101] Crystal Selection
Message-ID: <5.0.2.1.0.20010424185308.00a0c840@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I've done some more work on the 74LS04 circuit that I posted last week.

One of the problems with a lot of crystal selection schemes is that the good ones take a long time to go through for each crystal.

In playing with the 74LS04 circuit I find that the crystal frequency of oscillation is always 95Hz below the measured series resonant point with a maximum variance of 8Hz. I have been doing this with a batch of 3.93MHz crystals that Doug Hendricks, KI6DS, sent me with the IOWA-10 parts.

I will after Thursday go through all the crystals that I have in a couple of large batches and measure them all and do the stats. I'll post the results to the web page on the MH101 project as soon as I get it done. I will go through using the standard matching technique, the 74LS04 circuit, and then the ARRL HB circuit to compare the results.

From what I have seen thus far I think the 74LS04 circuit is a quick and pretty accurate circuit for determining the series resonant point for each crystal and then picking the ones that match the closest.

I'll build up a couple of filters and check them out after this also.

I hope this pans out as this will give us all a cheap and quick way to match crystals for filters in receivers.....

FYI

Chuck Adams, K7QO CP-60
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15
SWL-30 at 0.500W and vee-beam

States Needed AK

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7 PJ ZL2

Date: Tue, 24 Apr 2001 12:53:58 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96958] Source for 78L04's
Message-ID: <008701c0ccf8\$4e5ac0a0\$29e4b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have a source for 78L04 T0-92 4V voltage regulators. Thanks...

72/73
Trev
KG6CYN

Date: Tue, 24 Apr 2001 13:53:51 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [96959] QRP audio
Message-ID: <Pine.LNX.4.33.0104241351190.29313-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I run Windows 95...I have looked for a program called "Sound Recorder" under START-Accessories but nothing found.....I want to record off-air qrp signals.....anyone have an idea on how I can obtain the program "Sound Recorder" please?....thank you.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Tue, 24 Apr 2001 15:56:00 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rattray@gpfn.sk.ca>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96960] Re: QRP audio
Message-ID: <01e901c0ccf8\$995341e0\$4206d10a@endpoints.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's usually under accessories-entertainment. Or at least it is on this machine.

Check the entertainment area first.

It may be one of those 'accessories' that isn't installed on 'partials' unless you request it. It may also be one of those things that are not available on some OEM versions.

Mike

> I run Windows 95...I have looked for a program called "Sound Recorder"
> under START-Accessories but nothing found.....I want to record off-air qrp
> signals.....anyone have an idea on how I can obtain the program "Sound
> Recorder" please?....thank you.....

Date: Tue, 24 Apr 2001 15:58:46 US/Eastern
From: n2cx@voicenet.com

To: njqrp@njqrp.org
Cc: qrp-1@lehigh.edu
Subject: [96961] More Poquet Plus computers.
Message-ID: <200104241958.f30Jwlr280526@nss4.cc.lehigh.edu>

Gagn,

Remember the Poquet Plus computers from the
beginning of Y2K?
(See <http://www.njqrp.org/poqetpc/index.html>)
for more info.

Well, our original source, Jerry, W2GIA sold out
very quickly. However he reports that a guy on
the west coast bought a whole bunch of them at
an auction and wants to sell them. I understand
that they come with a battery and ac adaptor but
I have no more details.

If you are interested contact Jim Stone (not a
ham, just an electronics type) at
103346.2420@compuserve

I don't know him, have no more details or any
connection, etc. Caveat emptor, in God we Trust,
batteries not included, your results may vary
and God save the Queen.

Joe E.

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Tue, 24 Apr 2001 16:18:52 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'Flyin Piggies'"
<fpqrp-1@mpna.com>
Subject: [96962] QRPTTF @ Florida's Kennedy Space Center
Message-ID: <3AE5DFAC.6235E370@tampabay.rr.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Look for K4FB as a multi-op monolith station on 10m, 15m, 20m, and 40m. We will be operating from the KSC Visitors Center in the "Rocket Garden". We plan to be on the air the first six hours of the operating time.

Monoliths you say? We will have several to choose from:

A full size model of the Space Shuttle, a full size model of the Shuttle Solid Rocket Boosters with liquid fuel tank, the Astronaut Memorial which is a LARGE black marble wall with the names of fallen astronauts in gold lettering, plus several other space craft and antenna arrays!

See more at: <http://www.kennedyspacecenter.com/>

Pics of the operation will be posted on a website after the weekend is over.

The Public Relations staff at the Visitors Center has been very supportive of our operation. Four of our operators were on a planning visit last Thursday when Endeavor launched enroute to the ISS. The center is usually closed on launch days but we were provided a pass by the PR staff for the launch.

We're looking forward to being able to display amateur radio to the public. Television and print media have been invited to the operation...and we will also be tying in amateur radio's role during disasters, especially since hurricane season is just around the corner.

A special certificate will be available for any station that works us on at least two bands. QSL information will be available next week.

73,
Paul K4FB

Date: Tue, 24 Apr 2001 13:22:53 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [96963] NA config for QRP-TTF?
Message-ID: <5.0.2.1.0.20010424132001.00aab6a0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello all,

I'm a new user of the NA contest logging program, and I'm trying to set it up for QRP-TTF. I've got most of it figured out but can't seem to get the exchange received set up correctly. Anyone know how to do this?

Thanks and 73,
Bruce

Bruce Grubbs
N7CEE
Flagstaff, Arizona
DM45ef

Date: Tue, 24 Apr 2001 13:00:56 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [96964] QRP-TTF op, W7TA0
Message-ID: <5.0.2.1.0.20010424125747.03ecf430@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

We (Scott, K7DHF) and I will be operating QRP TTF, in monolith mode, from a site in the San Francisco Mountain Volcanic Field near Flagstaff, Arizona. This is the area where the Apollo astronauts trained for the lunar landings in the '60s.

Look for us on all the bands. We'll be using the Northern Arizona QRP Association callsign, W7TA0.

73
Bruce

Bruce Grubbs
N7CEE
Flagstaff, Arizona

DM45ef

Date: Tue, 24 Apr 2001 15:48:52 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: TORourke@KaiserFT.com, qrp-1@Lehigh.EDU
Subject: [96965] Re: QRP +
Message-ID: <GCBB1G00.TCM@mo110usjc.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

TORourke@KaiserFT.com wrote on 4/24/01 10:33 am:

>Any one remember a good
>mic to use with this rig? The
>reconnended MFJ looks
>a bit skimpy for good audio.
>.73 Tim O'Rourke
>KG4CHX@Telocity.com

You could always wire a D-104?

Heil makes a handheld HMM that performs-for a premium.

Date: Tue, 24 Apr 2001 13:30:11 -0700
From: "Neil" <neil@aaade.com>
To: <ctrask@qwest.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96966] Re: MSDOS BASIC software archive and RF Design Mag software archive
Message-ID: <000a01c0ccfd\$65eb8560\$5a330918@fedwy1.wa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For all those who asked about the RF design files:

Click on the "Join Now" icon in upper right corner of page and go from there.

Involves getting MSN passport which is just e-mail address at hotmail.com and password of your choice.

There are nearly a hundred files so can't forward them but could any single file from list on that page. they are named RFDXXYY.ZIP where XX is month and YY is year.

I downloaded them by right clicking on each and choosing "save target as". Some reason it insisted on saving it as xxxx.ZIP.zip so I edited out the .ZIP from each save as so it became xxxx.zip.

Neil

<http://www.aade.com>

<mailto:neil@aade.com>

Almost All Digital Electronics

1412 Elm St. SE

Auburn, WA 98092

253-351-9316

----- Original Message -----

From: "Chris Trask" <ctrask@qwest.net>

To: <neil@aade.com>

Sent: Tuesday, April 24, 2001 12:47 PM

Subject: Re: MSDOS BASIC software archive and RF Design Mag software archive

>

>

> Neil wrote:

> >

> > And for those who subscribed to RF Design Magazine (best professional RF magazine available) I found a complete archive of the software discs they

> > used to sell containing the code for various articles in the magazine.

> >

> >

http://communities.msn.com/ElectricalEngineering/files.msnw?fc_p=%2FRF%20Des

> > [ign%20Legacy%20Software&fc_a=0](#)

> >

> > to download anything you need to sign up for a "MSN passport". I downloaded

> > all of them as such things don't last forever on the internet.

> >

>

> Neil,

> I just spent a frustrating amount of time trying to access these, and

> perhaps my understanding of the MSN Passport system is beyond my

> patience at the moment. Could you perhaps forward those files to me as

> attachments? They would be appreciated. If not, I'll try them again

> later when I have more time on my hands.

Championships in Michigan. I will be there. Between heats I will be on with my mobile rig and a mag mount antenna from the car. Afterwards I will operate from the car while the XYL drives us back to Ohio.

So - I could be sending different exchanges at different times in the contest depending on where we are.

Hope to work a lot of you!

73 - Bill - N8ET

Kanga US

kanga@mail.bright.net

<http://www.bright.net/~kanga/>

419-423-4604

Date: Tue, 24 Apr 2001 14:49:04 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Paul Womble <pwomble1@tampabay.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96968] Re: QRPTTF @ Florida's Kennedy Space Center
Message-ID: <Pine.SUN.4.10.10104241442010.18644-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 24 Apr 2001, Paul Womble wrote:

> Look for K4FB as a multi-op monolith station on 10m, 15m, 20m, and 40m.
> We will be operating from the KSC Visitors Center in the "Rocket
> Garden". We plan to be on the air the first six hours of the operating
> time.
>
> Monoliths you say? We will have several to choose from:

Haven't been to the Cape since it was called Canaveral (trivia for you younger guys). But I have been inside the Vehicle Assembly Building, the Apollo rocket engines on display (at the time), etc. and it makes a human being feel like an ant.

DEFINITELY QUALIFIES AS A MONOLITH by anybody's standard!

> We're looking forward to being able to display amateur radio to the
> public. Television and print media have been invited to the
> operation...

Great job you guys on setting this up, and of course the exposure it will bring to the public, media, etc. Can't wait to work ya (so we can exchange certificates -hi). Have a blast.

72, Paul NA5N

Date: Tue, 24 Apr 2001 16:49:28 US/Eastern
From: n2cx@voicenet.com
To: njqrp@njqrp.org
Cc: qrp-1@lehigh.edu
Subject: [96969] Fwd: [NJQRP] More Poquet Plus computers.
Message-ID: <200104242049.f30KnUr18946@nss4.cc.lehigh.edu>

Group,

Two things screwed up in my last post:

1. I shuda said gang, not gnag - gotta get that dyslexia fixed...
2. I inadvertently left off the .com after compuserve.

Sorry about that!

Joe E.

Forwarded Message:

> To: njqrp@njqrp.org
> From: n2cx@voicenet.com
> Subject: [NJQRP] More Poquet Plus computers.
> Date: Tue, 24 Apr 2001 15:58:46 US/Eastern
> -----
> Gagn,
>
> Remember the Poquet Plus computers from the
> beginning of Y2K?
> (See <http://www.njqrp.org/poqetpc/index.html>)
> for more info.
>
> Well, our original source, Jerry, W2GIA sold out
> very quickly. However he reports that a guy on
> the west coast bought a whole bunch of them at
> an auction and wants to sell them. I understand
> that they come with a battery and ac adaptor but
> I have no more details.

>
> If you are interested contact Jim Stone (not a
> ham, just an electronics type) at
> 103346.2420@compuserve
>
> I don't know him, have no more details or any
> connection, etc. Caveat emptor, in God we Trust,
> batteries not included, your results may vary
> and God save the Queen.
>
> Joe E.
>
>
>
>
> -----
> This message was sent using Voicenet WebMail.
> <http://www.voicenet.com/webmail/>
>
>
> ===== NJ QRP Club Mailing List =====
> To unsubscribe from this list, send email to listserver@applegate.org
> and put the text "unsubscribe njqrp" in the message. To post a
> message to the list, send email to njqrp@njqrp.org.
>

This message was sent using Voicenet WebMail.
 <http://www.voicenet.com/webmail/>

Date: Tue, 24 Apr 2001 17:08:14 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Elliott <edl@pacbell.net>
Cc: QRP List <qrp-l@lehigh.edu>
Subject: [96970] FT 817 -vs- K2
Message-ID: <Pine.OSF.4.21.0104241657550.14723-1000000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I am not interested in starting a discussion again on the FT817 vs the
> K2. Please let's not get into that and loose sight of my questions!

You really should just order a K2 and be done with it. The K2 is a better radio in every way. Several hams have divorced their wives so that they could legally marry their K2.

The K2 is so good that it is legal tender in 26 states and 3 foreign countries. I understand that a very high mountain has now been named "K2" in honor of the greatest ham radio ever available. You can look it up.

Just thought you should know.

And now a word for the humor impaired: It's a joke, son.

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 24 Apr 2001 17:08:30 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: wphinizy@filenet.com, qrp-1@Lehigh.EDU
Subject: [96971] Re:Used Gel battery packs
Message-ID: <GCBEQ700.CG1@mo120usjc.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

wphinizy@filenet.com wrote on 4/24/01 10:24 am:

>Ray and the assembled
>multitude,
>
>An overlooked and obvious
>source of gel cells for the
>magic QRP price of
>FREE(!) is the local hospital.
>They use gel cells of all sizes
>and
>description for their medical
>equipment. When the
>expiration date hits, the
>batteries are 86'ed
>irrespective of their

>condition. The staff figure a
>\$10-30 gel cell with some life
>left is not worth the risk of
>creating a
>patient with no life left
>because some piece of
>equipment went South.
>
>Our group -- including the
>venerable Sam Imai, KF6ML,
>a master appropriating
>free things -- has made good
>use of this phenomenon.
>Hospitals freely give
>them to any who request it.
>In fact, here in California,
>home of the
>environmental wackos, you
>are actually saving the
>hospital money because
>they have to pay to discard
>the batteries. I have four
>7-amp hour and a
>17-hour gel cells I obtained in
>such a manner that I have
>been using about a
>year.
>
>..just be sure that, when you
>discard them, you do so in
>the proper manner.
>
>W. H. Phinizy, K6WHP
>Principal Engineer
>FileNET Corporation
>
FYI

You need to contact the 'Bio-medical Technology' Section in your hospital. They are the ones in charge of maintainance and calibration.

Another source of used batterys are alarm system techs. Quite a while, they swap out a big one with some life in it.

I would avoid defib batterys, though. They are usually toasted and the manufacturers want them back for Q&A/recycling.

Adam Kb2Jpd NYCFD EMT

Date: Tue, 24 Apr 2001 17:25:19 EDT
From: NA1XX@aol.com
To: qrp-1@lehigh.edu
Subject: [96972] Kenwood TS-50 Question
Message-ID: <4f.aa27ba3.2817493f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Folks,

I have been running a current model Kenwood TS-50 at QRP levels for almost a year, and lately I have also been using it to drive a TenTec 20 meter to 6 meter transverter for CW.

It occurs to me that I could use the same transverter to access the FM part of the band for some repeater work, if only the TS-50 could transmit on 17 mHz.

I checked the usual modification websites and found some info that does not inspire confidence. One mod says cut D-5 on the PLL board, the only non-surface mount device visible. Another mod says do that, then cut the diode on the underside of the PLL board that is parallel to D5. A third voice says, whatever you do, DON'T cut D1, or your radio is history! The latest update suggests that there are now 3 diodes that need cutting in order to activate out-of-band transmit.

So my question is, are there any users out there of late model TS-50's (my serial # is in the range after 20400000) who can verify which blinking diode needs some surgery so I can transmit on 17 mHz and play 6 meter FM?

Thanks for the help.

72

NA1XX

Mike Connelly

North Weymouth MA

QRP-L # 1588

"When All Else Fails ... CW."

Date: Tue, 24 Apr 2001 23:30:45 +0200
From: Johannes Hiller <HANNES@ulmnetz.de>

To: K2UD@adelphia.net, Monty N5FC <n5fc@io.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96973] Re: Palm Mini-Paddles
Message-ID: <3AE5F085.D92F710@ulmnetz.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Monty, Howard and everyone else interested in the Mini-Paddle,

we are more than happy to hear that the Mini-Paddle seems to be liked really well so far!

The first comments that have reached us were very positive, and this really rewards us now for all effort and time

we have put into the project for the last couple of months.

In the following I would like to comment on some questions regarding the Mini-Paddle that have been asked on the lists in the last couple of days:

Yes, we will be at Dayton - can't wait to get there! I will fly from Stuttgart, Germany via Atlanta to Dayton on the 15th where I will meet my friend Peter Zenker, DL2FI and his friend from Berlin. Peter and George Dobbs from the GQRP-club have a booth together and they were nice enough to offer some space for me and the Mini-Paddles there. We also will have the Mini-Paddles on both vendor's night and the club night. Unfortunately it is not possible for Dieter (DJ6TE) to come with us.

Regarding the QuickMount: As for all plastic parts, we also used glass fiber reinforced polyamide here. The little hooks on the rear part which hold down the cabinet when the Mini-Paddle is snapped on may seem a little stiff at first but this was my intention when I designed the part. It would just have been impossible to make them stiffer once they were produced, whereas you can always bend them a little bit backwards if unsnapping the Mini-Paddle feels too hard. I have quite some experience in designing injection molded parts and I have no hesitation to claim that these hooks will not bend or break and will last for a very long time. As a matter of fact we tried several hundred snapping / unsnapping cycles and never had a problem so far.

About the wiring of the supplied cable: We just kept to the "old tradition" of dashes on the right, dots on the left paddle.

It seemed to us that this was the most common way and would make sense to the majority of users. Also there are quite a number of rigs out where you can easily swap paddle function and if not...hey, we're HAMS, cutting off the plug and re-soldering it the other way should be no big deal to any of us ;-))

I admit that the connecting cable may be indeed a little short for some application fields (especially in some cases while used at the base station). We did tests with the our prototypes and the K2 and it appeared to us like it was long enough...well, we might supply longer ones on the next series if this

is the common wish.

Also, I would like to point out that the reason for supplying a list of replacement parts is not that we believe the molded parts won't last long...BUT: I just hate hate it when things that used to work fine have to be thrown away some day just because a little screw or a spring disappeared and cannot be easily replaced with parts you can buy at any hardware-store! And we DO use some tiny little special parts, e.g. our coil spring or screws. So our intention was to make Mini-Paddle users know that ANY of the parts we use can be re-ordered. This comes from HAMS for HAMS!

Well that's all for right now from here, if there are any questions please feel free to email at us.

Also, your comments on the Mini-Paddle are highly appreciated!

Looking forward to seeing many of you at Dayton!

Best 73 from Ulm, Germany

Hannes, DL9SC0

Palm Radio Germany

<http://www.ulmnetz.de/HANNES/Keyer.html>

Howard Kraus schrieb:

> Now the big question (to anyone). Will they be represented at Dayton? I'd
> be willing to bet that they could sell quite a few of these at the QRP
> festivities.

>

> 72

>

> Howard Kraus, K2UD

Date: Tue, 24 Apr 2001 23:33:27 +0200

From: "Ingo DK3RED" <dk3red@t-online.de>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [96974] Re: FT 817 -vs- K2

Message-ID: <003301c0cd06\$5e0bbfa0\$5d8f01d9@ingo>

Hello Paul,

> The K2 is so good that it is legal tender in 26 states and 3 foreign
> countries. ...

Yes, that is correct! The politician here in Europe are thinking about
an introduction of the K2 instead of the Euro. ;-))

72 de Ingo, DK3RED

E-Mail: dk3red@t-online.de - Homepage: <http://www.t-online.de/~dk3red>

Date: Tue, 24 Apr 2001 17:35:48 EDT
From: BobK8RL@aol.com
To: qrp-l@lehigh.edu
Cc: BobK8RL@aol.com
Subject: [96975] For Sale: MFJ-9040 and MFJ-9020
Message-ID: <43.1410d78c.28174bb4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

MFJ-9040 (7.000 to 7.150 MHz) 5 watt CW transceiver with optional plug-in AF Filter (MFJ-726). Works great with active AF filter. Low receive current drain. Plenty of speaker volume. Very good condition. Original box. Radio plus AF filter list for \$200. Sell for \$145 plus \$10 CONUS shipping.

MFJ-9020 (14.000 to 14.080 MHz) 5 watt CW transceiver with optional plug-in AF Filter (MFJ-726). Works great with active AF filter. Low receive current drain. Plenty of speaker volume. Very good condition. Original box. Radio plus AF filter list for \$200. Sell for \$145 plus \$10 CONUS shipping.

Bob K8RL
QRP ARCI # 6781

Date: Tue, 24 Apr 2001 15:50:31 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <NA1XX@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96976] Re: Kenwood TS-50 Question
Message-ID: <Pine.LNX.4.33.0104241548000.1836-1000000@localhost.localdomain>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have done that mode. You only need to take the bottom off the radio. The digital board is the daughter board on top and near the round battery is the only full size diode. I just lifted one end off. Now I can transmit from 1.6-30 mhz.

On Tue, 24 Apr 2001 NA1XX@aol.com wrote:

> Folks,
>
> I have been running a current model Kenwood TS-50 at QRP levels for almost a
> year, and lately I have also been using it to drive a TenTec 20 meter to 6
> meter transverter for CW.
>
> It occurs to me that I could use the same transverter to access the FM part
> of the band for some repeater work, if only the TS-50 could transmit on 17
> mHz.
>
> I checked the usual modification websites and found some info that does not
> inspire confidence. One mod says cut D-5 on the PLL board, the only
> non-surface mount device visible. Another mod says do that, then cut the
> diode on the underside of the PLL board that is parallel to D5. A third
> voice says, whatever you do, DON'T cut D1, or your radio is history! The
> latest update suggests that there are now 3 diodes that need cutting in order
> to activate out-of-band transmit.
>
> So my question is, are there any users out there of late model TS-50's (my
> serial # is in the range after 204000000) who can verify which blinking diode
> needs some surgery so I can transmit on 17 mHz and play 6 meter FM?
>
> Thanks for the help.
> 72
> NA1XX
> Mike Connelly
> North Weymouth MA
> QRP-L # 1588
> "When All Else Fails ... CW."
>

Date: Tue, 24 Apr 2001 17:39:30 -0500 (CDT)
From: "Robert M. Kimbrell" <kimbrell@sdf.lonestar.org>
To: Mike Yettsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [96977] Re: QRP audio
Message-ID: <Pine.LNX.4.21.0104241737150.23920-100000@sdf.lonestar.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On my computer:

Start > Programs> Accessories > Multimedia > Sound Recorder

Bob Kimbrell AC7BN Kingman, Arizona
kimbrell@freeshell.org
<http://kimbrell.freeshell.org/>
SDF Public Access UNIX System - <http://sdf.lonestar.org>

On Tue, 24 Apr 2001, Mike Yetsko wrote:

> It's usually under accessories-entertainment. Or at least it is on
> this machine.
>
> Check the entertainment area first.
>
> It may be one of those 'accessories' that isn't installed on 'partials'
> unless you request it. It may also be one of those things that are
> not available on some OEM versions.
>
> Mike
>
>
> > I run Windows 95...I have looked for a program called "Sound Recorder"
> > under START-Accessories but nothing found.....I want to record off-air qrp
> > signals.....anyone have an idea on how I can obtain the program "Sound
> > Recorder" please?.....thank you.....
>
>

Date: Tue, 24 Apr 2001 17:44:39 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96978] Re: QRPTTF
Message-ID: <000e01c0cd10\$267b27b0\$4800000a@nationwiswqrjt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be operating QRPTTF from Aurora, TX near the fabled 1897 UFO crash site, under one "monolithic" tree. Call sign is KD5KXF. Hope to work you all.

End of QRP-L Digest 2169

